

HFUS3 BOU 142200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO  
SDF NUMBER 227

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 14 AUG 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 13/2100Z TO 14/2100Z: SOLAR ACTIVITY WAS VERY LOW. REGION 4554 (N08W63) PRODUCED A C1/0F EVENT AT 14/0658Z WITH NO ASSOCIATED RADIO EVENT. IT CONTINUED TO DECAY IN ALL WHITE-LIGHT ASPECTS AND WAS A BX0 CLASSIFICATION. A LONG, DARK FILAMENT DISAPPEARED FROM THE SOUTH-EAST QUADRANT BEFORE 14/0100Z. IT EXTENDED FROM S20E21 (CAR-324) TO PROMINENCES ON THE LIMB AT S45E78 (CAR-263). THE ONLY FAINT REMAINDERS ARE NEAR MIDPOINT. ONE NEW REGION WAS ASSIGNED - REGION 4562 (N13E09) WAS A SIMPLE ALPHA-TYPE.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW. REGION 4549 (S18, CAR-217) IS EXPECTED TO RETURN AT 17/2300Z. IT PRODUCED ONE FLARE LAST ROTATION BEFORE IT DIED ON THE DISC AT W47 (CAR218). IT IS UNLIKELY TO PRODUCE SIGNIFICANT ACTIVITY AGAIN.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 13/2100Z TO 14/2100Z: GEOMAGNETIC ACTIVITY WAS AT UNSETTLED TO ACTIVE LEVELS. MINOR STORM LEVELS WERE REPORTED AT HIGH LATITUDES 14/1330-1930Z.

IIB. GEOPHYSICAL ACTIVITY FORECAST: GEOMAGNETIC ACTIVITY IS EXPECTED TO BE ACTIVE. STORM LEVELS ARE EXPECTED AT HIGH LATITUDES DURING NIGHT-TIME PERIODS.

III. EVENT PROBABILITIES 15 AUG-17 AUG

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 14 AUG 082

PREDICTED 15 AUG-17 AUG 080/079/079

90 DAY MEAN 14 AUG 098

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 13 AUG 012/012

ESTIMATED AFR/AP 14 AUG 016/015

PREDICTED AFR/AP 15 AUG-17 AUG 018/020-018/025-016/015

SOLTERWARN

BT